

# Determining Right Insulin Product (DRIP) Guide

This guide has been developed to support clinicians to safely prescribe, administer and dispense insulin products

- Prescribe all insulin by **brand name**. Confirm the intended brand with the prescriber prior to administration if only generic name is documented.
- **Continue** the patient's **pre-admission insulin brand** wherever possible.
- **Do not omit** a dose of insulin due to unavailability of a specific insulin brand.
- Encourage **patient self-administration** if they are willing and able. Refer to [TPCH Self Administration of Diabetes Medicines Guide](#).
- If administering to the patient, use **BD AutoShield** (do **NOT** withdraw insulin from a pen).

## Ultra-short acting insulin

Brand	Insulin Name	Concentration	Onset	Peak	Duration	Comments
Fiasp	Faster-acting insulin aspart	100 units/mL	5-15min	0.5-1.5h	3-5h	Give at start of meal or up to 20 minutes after starting
Apidra	Insulin glulisine	100 units/mL	10-15min	1-1.5h	3-5h	Give immediately before meals
humALOG humaLOG <b>U-200</b>	Insulin lispro	100 units/mL <b>200</b> units/mL	10-15min	1-1.5h	3-5h	Give immediately before meals
novoRAPID	Insulin aspart	100 units/mL	10-15min	1-1.5h	3-5h	Give immediately before meals

## Short acting

Brand	Insulin Name	Concentration	Onset	Peak	Duration	Comments
Actrapid	Insulin neutral	100 units/mL	30min	2-3h	6-8h	Give within 30 minutes before meal
humULIN R (U-100)	Insulin neutral	100 units/mL	30min	2-3h	6-8h	Give within 30 minutes before meal

## Intermediate acting

Brand	Insulin Name	Concentration	Onset	Peak	Duration	Comments
humULIN NPH Protaphane	Insulin isophane	100 units/mL	1-2.5h	4-12h	16-24h	Given once or twice daily Also known as long acting insulins
humULIN R (U-500)	Insulin neutral	<b>500</b> units/mL	1-2.5h	4-8h	16-24h	Give 30 minutes before a meal Given two or three times daily

## Long acting

Brand	Insulin Name	Concentration	Onset	Peak	Duration	Comments
Levemir	Insulin detemir	100 units/mL	1-2h	6-8h	12-24h	Given once or twice daily
Optisulin Semglee <b>NOTE: NOT equivalent to Toujeo</b>	Insulin glargine	100 units/mL	1-2h	Nil peak	24h	Given once daily (If on high doses, then twice daily dosing may occur)
Toujeo <b>NOTE: NOT equivalent to Optisulin or Semglee</b>	Insulin glargine	<b>300</b> units/mL	1-6h	Nil peak	24-36h	Given once daily Obtain stock from ward pharmacist or ED Pyxis after hours cupboard

## Mixed insulin (short acting with long acting)

Brand	Insulin Name	Concentration	Onset	Peak	Duration	Comments
humULIN 30/70 Mixtard 30/70 Mixtard 50/50	Insulin neutral with insulin isophane	100 units/mL	0.5-1h	2-12h	16-24h	Give within 30 minutes before meal Given once or twice daily

## Mixed insulin (ultra-short acting with long acting)

	Insulin Name	Concentration	Onset	Peak	Duration	Comments
humALOG Mix25 humALOG Mix50	Insulin lispro with lispro protamine	100 units/mL	10-15min	1h	16-18h	Give immediately before meal Given once or twice daily
novoMIX	Insulin aspart with aspart protamine	100 units/mL	10-15min	1h	16-18h	Give immediately before meal Given once or twice daily
Ryzodeg	Insulin aspart with degludec	100 units/mL	10-15min	1.25h	>24h	Give immediately before meal Given once or twice daily